

D. List of Essential Equipment Orthopaedic & Physiotherapy Section D, Code No. - OPE

Sr. No.	Code No.	Name of the item with full specification	Packing unit
	OPE	Group-A Equipments	
1	OPE001	C-arm with Orthopaedic Table	Each
2	OPE002	Battery Operated Bone Drill	20 sets
3	OPE003	Electronic Pneumatic Tourniquet	10 sets
		Group-B Instruments	
4	OPE 012	Smith - Peterson Osteotome Straight Size: 1/4", 1/2", 5/8", 1", 1 1/4"	10 Each
5	OPE 013	Hibbs chisels- Straight size : 1/4", 1/2", 3/4", 1", 1 1/4"	1Each
6	OPE 014	Smith - Peterson Gouges- Size:3/8", 5/8"	5 Each
7	OPE 015	Hibbs- Gouges size: 1/4", 3/4", 1/2", 1", 1 1/2"	5 Each
8	OPE 016	Cobb Curette 00, 1,2,3,4,5,&6	20 Each
9	OPE 017	Plaster Scissors Bohler's 10 1/4" S.S. Saw.	6
10	OPE 018	SPICA / FRACTURE table : SS with cushion (detachable)	2
11	OPE 019	Table Operation Orthopaedic	6
		General Instruments Sets for Orthopaedic Surgery	
	(1)	S/C Bone Holding Forceps 150MM-2	5 Set
	(2)	S/C Bone Holding Forceps 190MM-2	5 Set
	(3)	S/C Bone Holding Forceps 240MM-2	5 Set
	(4)	Patella Forceps 175MM - 1	10 Set
	(5)	Reduction Forceps Serr. 140MM-2	5 Pair
	(6)	Reduction Forceps Serr. 180MM-2	5 Pair
	(7)	Reduction Forceps Serr. 240MM-2	5 Pair
	(8)	Reduction Forceps Pointed 140MM-1	5 Pair
	(9)	Reduction Forceps Pointed 180MM-1	5 Pair
	(10)	Reduction Forceps Pointed 210MM-1	5 Pair
	(11)	Bone Nibbler D/A 190MM STR./CVD.-2	5 Pair
	(12)	Bone Nibbler D/A 225MM STR./CVD.-2	5 Each
	(13)	Bone Cutting Forceps 190MM STR./CV2	5 Each
	(14)	Gigli Saw Wire-5	20
	(15)	Gigli Saw Introducer-1	3
	(16)	Gigli Saw Handle-1	3 Pair
	(17)	Periosteum Elevator with Fibre Handle (Diff. Sizes)-5	20
	(18)	Osteotome STR. SS Handle (5,10,15,20,25mm) (1 Each)-5	5 Each
	(19)	Osteotome STR.SS Handle (5,10,15,20,25mm) (1 Each)-5	2 Each
	(20)	Gouge STR SS Handle (5,10,15,20,25mm) (1Each)-5	2 Each
	(21)	Gouge CVD S.S. Handle (5,10,15,20,25mm) (1 Each)-5	2 Each
	(22)	Kocher Bone Hook Small/ Medium/ Large (1 Each)-3	3 Each
	(23)	Volkman Curette D/E S/M/L (1 Each)-1	5 Each
	(24)	Lane's Bone Lever Medium/ Large (1 Each)-2	2 Pair
	(25)	Skin Hook one prong-2	3 Pair
	(26)	Self Retaining Retractor Medium-2	5 Pair
	(27)	Hofmann's Retractor (Diff. Sizes) 2 Each-8	10 Each
	(28)	Plate Bender Pair Large-1	2 Pair
	(29)	Universal Bone Drill with Chuck & key-1	5
	(30)	Hammer with fibre handle 225 Gms.-1	10
	(31)	Hammer with fibre handle 450 Gms.-1	10
	(32)	Esmarch Tourniquet 3"-2	20
	(33)	Esmarch Tourniquet 4"-2	20
	(34)	Esmarch Tourniquet 6"-2	20
	(35)	Small Bending Iron (Pair)-1	2 Pair
	(36)	Plate Bending Press-1	2
12	OPE020	K Wire & Steinman Pin Instrument Set	20 Set

	(1)	Wire Cutter cum Piler-1	
	(2)	Nose Piler cum Wire Bender-1	
	(3)	Wire Holding Forcep-1	
	(4)	Wire Tightner-1	
	(5)	T' Handle with chuck-1	
	(6)	Tip Wire Cutter-1	
	(7)	Implants	
	(8)	K. Wires 1.0,1.5,2.0,2.5mm (10 each)-40	
	(9)	Circle age Wire 1.0mm, 1.2mm (5 each)-10	
	(10)	Steinman pin 3.5,4.5mm (5 each)-10	
13	OPE021	Plaster Cutting Instruments set	3 Set
	(1)	Lorenz plaster Shears-1	
	(2)	Plaster Cast Spreader-1	
	(3)	Plaster Knife-1	
	(4)	Plaster Saw With Allum. Handle-1	
	(5)	Plaster Cutting Scissors-1	
	(6)	Plaster Bender Small 7"	
	(7)	Plaster Bender Big 10 1/2" - 1	
	(8)	Plaster Cutting Saw- Electric- 1	
14	OPE022	Instruments for Femoral Head	5 Set
	(1)	Austin Moore Rasp-1	
	(2)	Rasp for Bipolar Prosthesis- 1	
	(3)	Hollow Chisel- 1	
	(4)	Impactor, Nylon Faced-1	
	(5)	Extractor with Two Hooks- 1	
	(6)	Murphy Skid - 1	
	(7)	Spare Hook for Extractor- 1	
	(8)	Judet Extractor- 1	
	(9)	Measuring Gauge for Prosthesis - 1	
	(10)	A.M. Prosthesis (Sterile) 37mm to 47mm (1 Each) - 6	
	(11)	A.M. Prosthesis (Sterile) 49mm to 55mm (1 Each) - 4	
	(12)	Bipolar Prosthesis (Sterile) 39mm to 47mm (1Each)- 5	
	(13)	Bipolar Prosthesis (Sterile) 49mm to 53mm (1Each)- 3	
15	OPE023	Small Fragment Instrument Set	8 Set
	(1)	Container- 1	
	(2)	Drill Bit Q.C. 2.5mm- 2	
	(3)	Drill Bit Q.C. 3.5mm -2	
	(4)	Small Countersink, Tip 2.0mm -1	
	(5)	Tap Q.C. - 3.5mm x 1.25mm -2	
	(6)	Tap Q.C. - 3.5mm x 1.5mm- 2	
	(7)	T' Handle Q.C.- 1	
	(8)	Double Drill Sleeve 3.5mm/2.5mm- 1	
	(9)	Drill Guide & Drill Sleeve (2mm)- 1	
	(10)	Tap Sleeve/ Drill Sleeve 3.5mm/ 2.7mm-1	
	(11)	DCP Load & Neutral Drill Guide 2.5mm (For 3.5mm Screws)- 1	
	(12)	Hex Screwdriver with fibre handle 2.5A/F- 1	
	(13)	Hex Screwdriver Q.C. 2.5A/F- 1	
	(14)	Depth Gauge for Small Screws Stainless Steel- 1	
	(15)	Sharp Hooks- 1	
	(16)	Screw Forceps-1	
	(17)	Bending Iron For Small Plates- 1	
	(18)	Bending Iron For Small Plates- 1	
	(19)	Bending Iron for Finger Plates -1	
	(20)	Template for contouring plates Small DCP/LCDCP - 5H x 63mm - 1	
	(21)	Template for contouring plates Small DCP/LCDCP - 7H x 87mm - 1	
	(22)	Self Centering Bone Holding Forceps for Small Fragment 190mm- 1	
	(23)	Reduction Forceps with Point 130mm	
	(24)	Reduction Forceps extra Small 140mm - 1	

	(25)	Retractor Short Narrow Tip, Small, Width 6mm - 1	
	(26)	Retractor Short Narrow Tip, Small, Width 8mm - 1	
	(27)	Retractor, Extra Long, for small fragment- 2	
	(28)	Periosteum Elevator, Fibre Handle, curved, Straight Edge, Width 6mm- 1	
	(29)	Clips for Plates- 5	
16	OPE024	Large Fragment Set	5 Set
	(1)	Container- 1	
	(2)	Drill Bit Q.C. 3.2MM- 3	
	(3)	Drill Bit Q.C. 4.5MM-2	
	(4)	Large Countersink- 1	
	(5)	Tap Handle Q.C. - 1	
	(6)	Tap Q.C. - 4.5mm- 2	
	(7)	Tap Q.C. - 6.5mm- 1	
	(8)	Double Drill Sleeve 4.5mm/ 3.2mm - 1	
	(9)	Insert Drill Sleeve 4.5mm/ 3.2mm - 1	
	(10)	Double Drill Sleeve 6.5mm/ 3.2mm- 1	
	(11)	Hex Screwdriver with fibre handle 3.5A/F- 1	
	(12)	Hex Screwdriver Q.C. 3.5A/F- 1	
	(13)	Depth Gauge for Large Screws Stainless Steel- 1	
	(14)	Sharp Hook- 1	
	(15)	DCP Load & Neutral Drill Guide 3.2mm (For 4.5mm Screws)- 1	
	(16)	Universal Drill Guide for SS LCDCP, 4.5mm- 1	
	(17)	SS LC-DCP Load & Neutral Drill Guide 3.2mm-1	
	(18)	Template for contouring plates Large DCP/LCDCP - 7H x 120mm- 1	
	(19)	Template for contouring plates Large DCP/LCDCP - 9H x 155mm- 1	
	(20)	Template for contouring plates Large DCP/LCDCP - 12H x 210mm- 1	
17	OPE025	External Fixator Set (Tubular)	4 Set
	(1)	Single Pin Clamp- 15	
	(2)	Double Pin Clamp - 4	
	(3)	Open Clamp- 2	
	(4)	Connecting Clamp - 4	
	(5)	Tube to Tube Clamp- 2	
	(6)	Transverse Clamp- 1	
	(7)	Twin Adjustable Clamp (Straight) - 1	
	(8)	Twin Adjustable Clamp (Curved) - 1	
	(9)	Schanz Screws 4.5mm- 10	
	(10)	Schanz Screws 5.0mm - 10	
	(11)	Schanz Screws 6.5mm - 4	
	(12)	Tubular Rod	
	(13)	2 Rods each of 150,200,250,300,350 & 400mm - 12	
	(14)	Connecting Rod 5.0mm- 4	
	(15)	Triple Trocor 5.0 x 50mm - 1	
	(16)	Triple Trocor 5.0 x 100mm - 1	
	(17)	Spanner 11.0mm - 2	
	(18)	Drill Bit (Extra Long) 3.2/ 3.5/ 4.5mm- 3	
18	OPE026	Instruments for Square Nails & Rush Nail	4 Set
	(1)	Impactor for Square Nails (in four sizes) - 4	
	(2)	Reamers for Square Nails -	
	(3)	Sizes : 2.0mm, 2.5mm, 3.0mm, 3.5mm - 4	
	(4)	Extractor with Two Hooks- 1	
	(5)	SQ. Nails for Ulna : 2,2.5,3,3.5mm x 18 to 30cm (1 each) -52	
	(6)	SQ. Nails for Radius : 2,2.5,3,3.5mm x 18 to 30cm (1 each) -52	
	(7)	Rush Nails : 2mm x 18 to 30cm (1 each) with 2cm variation- 7	
	(8)	Rush Nails : 2.5mm x 18 to 30cm (1 each) with 2cm variation- 7	
	(9)	Rush Nails : 3mm x 18 to 30cm (1 each) with 2cm variation- 7	
	(10)	Rush Nails : 3.5mm x 20 to 30cm (1 each) with 2cm variation- 6	
	(11)	Rush Nails : 4mm x 20 to 30cm (1 each) with 2cm variation- 6	
	(12)	Rush Nails : 5mm x 20 to 30cm (1 each) with 2cm variation- 6	

	(13)	Rush Nails : 6mm x 20 to 30cm (1 each) with 2cm variation- 6	
19	OPE027	Instruments & Unokabt Set for K. Nails	2 Set
	(1)	K. Nail Driver- 1	
	(2)	K Nail Extractor with Two Hooks - 1	
	(3)	Spare Hooks for Extractor- 1	
	(4)	Measuring Gauge for K Nails - 1	
	(5)	Diamond Pointed Awl - 1	
	(6)	K. Nail Setting Device- 1	
	(7)	Guide Wire for K. Nails (in four sizes) - 4	
	(8)	K. Nail Reamers Sizes : 8mm, 9mm, 10mm, 11mm, 12mm & 13mm - 6	
	(9)	K. Nails : 8 & 9mm x 36,37,38,39,40,41,42,43,44cm, (1 each) - 18	
	(10)	K. Nails : 10,11 & 12MM x 36,37,38,39,40,41,42,43,55 CM – 27	
20	OPE028	Instrument & Implant set for Dynamic Hip Screw	6 Set
	(1)	Guide Pin with Threaded End - 6	
	(2)	D.H.S. Angle Guide 135* - 1	
	(3)	Wrench for D.H.S. Screw - 1	
	(4)	D.H.S. Triple Reamer - 1	
	(5)	Impactor - 1	
	(6)	Tap for D.H.S. Screw- 1	
	(7)	Coupling Screw for Plate Insertion - 1	
	(8)	Coupling Screw for Screw Removal - 1	
	(9)	Quick Coupling Handle - 1	
	(10)	Reverse Measuring Device- 1	
	(11)	Centring Sleeve for Tap - 1	
	(12)	Centring Sleeve for Wrench - 1	
	(13)	Container with S.S. Trays - 1	
	(14)	D.C.S. Angle Guide 950- 1	
	(15)	D.C.S. Triple Reamer - 1	
	(16)	Implants	
	(17)	D.H.S. Plate 135* x 4,5,6,7,8 Holes (1 Each) - 5	
	(18)	D.C.S. Plate 95* x 5,6,7,8,9,10 Holes (1 Each) - 6	
(19)	Lag Screw with Compression screw 55mm to 110mm (1 Each)- 12		
21	OPE029	Instruments & Implant Set for Cannulated Screws 4mm & 7mm	4 Set
	(1)	Large Cannulated Hexagonal Screw Driver - 1	
	(2)	Small Cannulated Hexagonal Screw Driver- 1	
	(3)	Cannulated Tap 7.0 mm- 1	
	(4)	Cannulated Tap 4.0mm - 1	
	(5)	Cannulated Drill Bit 4.5mm - 1	
	(6)	Cannulated Drill Bit 3.2mm - 1	
	(7)	Parallel Wire Guide - 1	
	(8)	Protection Sleeve 4.5mm - 1	
	(9)	Protection Sleeve 3.2mm – 1	
	(10)	Direct Measuring Device - 1	
	(11)	Threaded Guide Wire 1.8mm - 5	
	(12)	Threaded Guide Wire 1.2mm - 5	
	(13)	Container - 1	
	(14)	Cannulated Screw 7mm x 45mm to 110mm (3 Each) -42	
	(15)	Cannulated Screw 4mm x 35mm to 70mm (3 Each) -24	
	(16)	Washer Large - 10	
(17)	Washer Small – 10		
22	OPE030	Instruments & Implant Set for Ender's Nails	3 Set
	(1)	Ender's nail 3mm x 20cm to 30cm with 1cm. Variation (2 each) -22	
	(2)	Ender's nail 3.5mm x 20cm to 30cm with 1cm. Variation (2 each) -22	
	(3)	Ender's nail 4mm x 26cm to 42cm with 1cm. Variation (2 each) -34	
	(4)	Ender's nail 4.5mm x 26cm to 42cm with 1cm. Variation (2 each) -34	
	(5)	Instruments set for Ender's Nail - 1 Set	
23	OPE031	Screw Set (Small Fragment)	8 Set
	(1)	Contents :	

	(2)	Cortex Screw 3.5mm - 105	
	(3)	5 Screw each of 10,26,28,30,32,34 & 40mm	
	(4)	10 Screw each of 12,14,16,18,20,22 & 24mm	
	(5)	Cancellous Screws 3.5mm- 28	
	(6)	2 Screws each of 12,14,16,18,20,22 & 24mm	
	(7)	2 Screws each of 26,28,30,35,40,45 & 50mm	
	(8)	Cancellous Screws 4.0mm (Full thread) - 30	
	(9)	2 Screws each of 14,16,18,20,22, 24, 26 & 28mm	
	(10)	2 Screws each of 30,35,40,45, 50, 55 & 60mm	
	(11)	Cancellous Screws 4.0mm (Short thread) - 30	
	(12)	2 Screws each of 14,16,18,20,22, 24, 26 & 28mm	
	(13)	2 Screws each of 30,35,40,45, 50, 55 & 60mm	
	(14)	Washer Large 20	
	(15)	Screws Holding Forceps-1	
	(16)	Container with S.S. Trays-10	
24	OPE032	Screw Set (Large Fragment)	8 Set
	(1)	4.5mm Cortex Screws - 170	
	(2)	8 Screws each of 14,16,18,20,22,24,26 & 28mm	
	(3)	16 Screws of 30mm	
	(4)	12 Screws each of 32,34,36,38,40mm	
	(5)	6 Screws each of 42,44,46,48,50mm	
	(6)	5 Screws of 60mm	
	(7)	4 Screws each of 64 & 68mm	
	(8)	Malleolar Screws 4.5mm - 18	
	(9)	2 Screws each of 25,30,35,40,45,50,55 & 60mm	
	(10)	1 Screws each of 65 & 70mm	
	(11)	Cancellous Screws 6.5mm (16mm Thread) -34	
	(12)	2 Screws each of 30,35,40,45,50,55,60,65mm	
	(13)	2 Screws each of 70,75,80,85,90,95,100,105 & 110mm	
	(14)	Cancellous Screws 6.5mm (32mm Thread) -28	
	(15)	4 Screws each of 45,50,55 & 60mm	
	(16)	2 Screws each of 65,70,75,80,85 & 90mm	
	(17)	Cancellous Screws 6.5mm (Full Thread) - 28	
	(18)	4 Screws of 25mm	
	(19)	4 Screws each of 30,35 & 40mm	
	(20)	2 Screws each of 45,50,55,60,65 & 70mm	
	(21)	Washers (Large) - 20	
	(22)	Screws Holding Forceps- 1	
	(23)	Container with S.S. Trays - 1	
25	OPE033	Plate set (Small Fragment)	5 Set
	(1)	One Third Tubular Plate - 10	
	(2)	1 Plate each of 2,3,7 & 8 Holes	
	(3)	2 Plate each of 4,5 & 6 Holes	
	(4)	D.C.P. (Small) -18	
	(5)	4 Plates each of 5,6,7 & 8 Holes	
	(6)	1 Plate each of 9 & 10 Holes	
	(7)	Small 'T' Plates 3.5mm -3	
	(8)	1 each of 3,4 & 5 Holes	
	(9)	Small 'T' Plates 3.5mm Oblique Angled -3	
	(10)	1 each of 3,4 & 5 Holes	
	(11)	Reconstruction Plate 3.5mm -3	
	(12)	1 Plate each of 5,6 & 8 Holes	
	(13)	Cloverleaf Plate 3.5mm - 3	
	(14)	1 Plate each of 4,6 & 8 Holes	
	(15)	Container with S.S. Trays – 1	
26	OPE034	Plate Set (Large Fragment)	5 Set
	(1)	Semi Tubular Plate - 8	
	(2)	2 Plate each of 4,5, 6 & 7 Holes	

	(3)	D.C.P. (Narrow) - 12	
	(4)	2 Plates each of 5,6,7,8,9 & 10 Holes	
	(5)	D.C.P. (Broad) - 11	
	(6)	2 Plates each of 6,7,8 & 9 Holes	
	(7)	1 Plate each of 10,12,14 Holes	
	(8)	T' Plates 4.5mm- 5	
	(9)	1 each of 4,5,6,7 & 8 Holes	
	(10)	T' Buttress plate 4.5mm - 5	
	(11)	1 each of 4,5,6,7 & 8 Holes	
	(12)	L' Buttress plate 4.5mm - 6	
	(13)	1 plate each of Left/ Right 4 Holes	
	(14)	1 plate each of Left/ Right 5 Holes	
	(15)	1 plate each of Left/ Right 6 Holes	
	(16)	Container with S.S. Trays	
27	OPE035	Implant & Instrument Set for Inter Locking Nail Humrus	2 Set
	(1)	HUMRUS NAIL :	
	(2)	DIA, 6MM x 20,22,24,26,28,30 CM. (1 Each) Solid - 6	
	(3)	DIA, 7MM x 20,22,24,26,28,30 CM. (1 Each) Cannulated – 6	
	(4)	DIA, 8MM x 20,22,24,26,28,30 CM. (1 Each) Cannulated - 6	
	(5)	LOCKING BOLTS :	
	(6)	Locking Bolt 2.9MM x 20 to 40MM (2 Each) - 22	
	(7)	Locking Bolt 3.4MM x 20 to 50MM (2 Each) - 32	
	(8)	Locking Bolt 3.9MM x 20 to 50MM (2 Each) - 32	
28	OPE036	Instrument Set for Humrus Interlocking Nails	2 Set
	(1)	Threaded Bolt with Sleeve - 1	
	(2)	Jig – 1	
	(3)	Compression Device - 1	
	(4)	Extractor Rod - 1	
	(5)	Round Hammer- 1	
	(6)	Protection Sleeve - 1	
	(7)	Drill Sleeve For 3.2 mm Drill- 1	
	(8)	Drill Sleeve For 2.7mm Drill- 1	
	(9)	Pointer- 1	
	(10)	Spanner Ordinary (2 Nos.)- 2	
	(11)	Guide Wire 1.8mm x 30' Long- 1	
	(12)	Screw Driver For 3.5mm Hex - 1	
	(13)	Screw Driver For 4.5mm Hex - 1	
	(14)	S.S. Box with Screw Tray For Nail & Instrument - 1	
	(15)	Drill Bits 3.2mm Extra Long 8'-1	
	(16)	Drill Bits 2.7mm Extra Long 8'- 1	
	(17)	Depth Gauge Long - 1	
	(18)	Bone Awl Diamond Pointed - 1	
	(19)	Tissue Protector - 1	
	(20)	Small Hammer -1	
	(21)	Cannulated Reamer - 1	
29	OPE037	Implant & Instrument Set for Inter Locking Nail P.F.N.	4 Set
	(1)	PROXIMAL FEMORAL NAIL :	
	(2)	Dia. 9MM x 25CM. -2	
	(3)	Dia. 10MM x 25CM. -3	
	(4)	Dia, 11MM x 25CM. - 3	
	(5)	Dia. 12MM x 25CM. - 2	
	(6)	Locking Bolts :	
	(7)	Locking Bolt 4.9MM x 26 to 70 MM - 46	
	(8)	Locking Bolt 6.4MM x 60 to 110 MM - 22	
	(9)	Locking Bolt 8.0MM x 60 to 110 MM - 22	
30	OPE038	Instrument Set for Proximal Femoral Interlocking Nails	4 Set
	(1)	Threaded Bolt - 1	
	(2)	Small Hammer Unit with Nut - 1	

	(3)	Jig - 1	
	(4)	Extractor Rod - 1	
	(5)	Round Hammer- 1	
	(6)	Protection Sleeve 12mm - 1	
	(7)	Protection Sleeve 10mm -2	
	(8)	Drill Sleeve For 4.0mm Drill -1	
	(9)	Guide Wire Sleeve for 2mm For 12mm Sleeve-1	
	(10)	Guide Wire Sleeve for 2mm For 10mm Sleeve-1	
	(11)	Pointer long- 1	
	(12)	T-Handle (Wrench)-1	
	(13)	Spanner Ordinary (2 Nos.)- 2	
	(14)	C.C. Screw Driver For 5mm Hex Long-1	
	(15)	Guide Wire 2mm x 16" Long- 1	
	(16)	Guide Wire Threaded 2mm x 16" Long- 1	
	(17)	C.C. Drill Bit Long with Q.C. For 8mm Screw- 1	
	(18)	C.C. Drill Bit Long with Q.C. For 6.4mm Screw- 1	
	(19)	C.C. Bone Tap Long with Q.C. For 8mm Screw- 1	
	(20)	C.C. Bone Tap Long with Q.C. For 6.4mm Screw- 1	
	(21)	C.C. Reamer with Q.C. 15mm-1	
	(22)	T Handle For Drill Bit & Tap- 1	
	(23)	Screw Driver For 4.5mm Hex – 1	
	(24)	Guide Wire 3mm x 40' Long- 1	
	(25)	S.S. Box with Screw Tray For Nail & Instrument -1	
	(26)	Drill Bits 4mm Extra Long 10" - 1	
	(27)	Depth Gauge Long - 1	
	(28)	Bone Awl Diamond Pointed - 1	
	(29)	Tissue Protector - 1	
31	OPE039	Implants for Inter Locking Nail Tibia/ Femur Tibia Nail :	10 Set
	(1)	Dia. 8MM x 28,29,30,31,32,33,34,35,36,37,38 CM - 1 Each	
	(2)	Dia. 9MM x 28,29,30,31,32,33,34,35,36,37,38 CM. - 1 Each	
	(3)	Dia. 10MM x 28,29,30,31,32,33,34,35,36,37,38 CM - 1 Each	
	(4)	Femur Nail :	
	(5)	Dia. 9MM x 34,36,38,40,42,44 CM - 1 Each	
	(6)	Dia. 10MM x 34,36,38,40,42,44 CM. - 1 Each	
	(7)	Dia. 11MM x 34,36,38,40,42,44 CM. - 1 Each	
	(8)	Dia. 12MM x 34,36,38,40,42,44CM - 1 Each	
	(9)	Locking Bolt 3.9MM x 26 to 50MM - 2 Each	
	(10)	Locking Bolt 4.9MM x 26 to 70MM - 2 Each	
32	OPE040	Instrument Set for Tibia/ Femur Interlocking Nail	10 Set
	(1)	Threaded Bolt - 1	
	(2)	Introducer (Hammer Unit) - 1	
	(3)	Jig - 1	
	(4)	Extractor Rod - 1	
	(5)	Round Hammer - 1	
	(6)	Protection Sleeve - 1	
	(7)	Drill Sleeve For 3.2 mm Drill - 1	
	(8)	Drill Sleeve For 4.0 mm Drill- 1	
	(9)	Pointer - 1	
	(10)	T-Handle (Wrench)-1	
	(12)	Spanner Ordinary (2 Nos.)- 2	
	(13)	Screw Driver For 4.5mm Hex - 1	
	(14)	Guide Wire 2.5mm x 40' Long	
	(15)	Guide Wire 3mm x 40' Long- 1	
	(16)	Guide Wire Bided 3mm x 40' Long	
	(17)	S.S. Box with Screw Tray For Nail & Instrument -1	
	(18)	Drill Bits 3.2mm Extra Long 8'-1	
	(19)	Drill Bits 4mm Extra Long 8'-1	
	(20)	Depth Gauge Long- 1	

	(21)	Bone Awl Diamond Pointed - 1	
	(22)	Tissue Protector - 1	
33	OPE041	Spine	3
	(1)	Starter Awl, soft Grip	3
	(2)	Pedical Centraliser	3
	(3)	Pedical probe Curved	3
	(4)	Pedical Probe Straight	3
	(5)	Quick coupling handle Soft grip	3
	(6)	Quick coupling handle soft grip, short	3
	(7)	Tap Quick Coupling 4.5 mm	3
	(8)	Tap Quick Coupling 5.5 mm	3
	(9)	Tap Quick Coupling 6.5mm	3
	(10)	Pedical Sound	3
	(11)	Monoaxil Screw driver	3
	(12)	Monoaxil Screw manipulator	3
	(13)	Polyaxil/Reduction Screw Driver	3
	(14)	Polyaxil/Reduction hexa Screw Driver 2.5mm	3
	(15)	Inner Screw Inserter	3
	(16)	Inner Screw Final Tightner Quick Coupling	3
	(17)	Inner Screw Final Tightner (Pair)	3
	(18)	Rod Bender	3
	(19)	Rod Holder	3
	(20)	Rod Holder Heavy Duty	3
	(21)	Vise grip	3
	(22)	Rod Holdere Heavy Duty	3
	(23)	Vise grip	3
	(24)	Rod Stabilizer (Anit-Torque)	3
	(25)	Rod Pusher Straight	3
	(26)	Rod pusher Curved	3
	(27)	Rocker	3
	(28)	Co-Axial Rod Reducer	3
	(29)	Distractor 6mm	3
	(30)	Compressor 6mm	3
	(31)	Pin Cutter 18mm	3
	(32)	Hook Holder, Sot Grip	3
	(33)	Hook Pusher, Soft Grip	3
	(34)	Facet Finder, Soft Grip	3
	(35)	Supralaminar Locator, Soft Grip	3
	(36)	Infralaminar Locator, Soft Grip	
	(37)	Inserter for Staple Washer	3
	(38)	Rod Cutter	2
34	OPE042	Cervical Palate:	
	(1)	Drill Sleeve Ecentric	3
	(2)	Drill Sleeve Neutral	3
	(3)	Cervical Plate Holder	3
	(4)	Cervical Plate Bender	3
	(5)	Hex. Screwdriver With self holding sleeve	3
	(6)	Hex. Screwdriver Without sleeve	3
	(7)	Holding Sleeve	3
	(8)	Temporary Stabilizing Pin	3
	(9)	Quick Coupling Handle	3
35	OPE043	Laminectomy:	
	(1)	Spinal Rongers various size 2 per set	2
	(2)	Bone Curette	2
	(3)	Macdowell's Dissector	2
	(4)	Durer Elevator	2
	(5)	Cobbs Elevator	2
	(6)	Punch Forceps (up-cutting/down-cutting)(small/large) (45 degree)	2 each

	(7)	Disc forceps (straight/upward/downward)	2
	(8)	Nerve root retractor (straight/45 degree/90degree)	2
36	OPE044	Iizarov:	
	(1)	Wire Tensionar Dynamic	2
	(2)	Wire Tensionar Mechanical	2
	(3)	Open Spanner	6
	(4)	Round Spanner	6
	(5)	Coticotome 5mm	2
	(6)	Coticotome 10 mm	2
	(7)	Osteotome 5mm	2
	(8)	Osteotome 10mm	2
	(9)	T-Handle (for tapered pin)	2
	(10)	Scale	2
37	OPE045	Monorail:	
	(1)	T-Handle (for tapered pin)	2
	(2)	Troccar	2
	(3)	Coticotome 5mm	2
	(4)	Coticotome 10mm	2
	(5)	Osteotome 5mm	2
	(6)	Osteotome 10mm	2
	(7)	Allen key	6
	(8)	Drill Bit Different Sizes	
	(9)	Scale	2
	(10)	Drill Bit Cannulated	4
(11)	Guide Wire	4	
38	OPE046	Locking compression Platess:	
	(1)	Reduction Clamp	10
	(2)	Bone Holding Forecep small/medium/large (150/190/240mm)	10 each
	(3)	Plate holding forecep small/medium/large (150/190/240mm)	10 each
	(4)	Bone Tape 3.5mm, 4.5mm	5 each
	(5)	Lane Screw Driver	5 each
	(6)	Hexagonal Screw Driver - 2.5mm, 3.5mm, 4.5mm Tip	5 each
	(7)	Small Neutral and loaded drill guide 2.5	5
	(8)	Small Neutral and loaded Drill Guide 3.2 mm	5
	(9)	Hexagonal Screw Driver with sleeve 2.5 mm tip	5
	(10)	Counter Sink 6.0mm Head	4
	(11)	Small Plate Bender	10
	(12)	Large Plate Bender	10
	(13)	Small Depth Gauge	10
	(14)	large Depth Gauge	10
	(15)	Counter Sink 4.5 mm Screws	4
	(16)	Quick Coupling Handle for taps	5
	(17)	Quick Coupling adaptor for Drill bits	5
	(18)	Drill Sleeve 2.5 mm	5
	(19)	Drill Sleeve 3.2 mm	5
	(20)	Drill & Tape Sleeve Combined 2.5mm/3.2mm	5
	(21)	Drill & Tape Sleeve combined 3.2mm/4.5mm	5
	(22)	Insert Drill Sleeve 2.5mm	5
	(23)	Insert Drill Sleeve 3.2 mm	5
	(24)	Pointed Drill Guide with 4.5 mm tap sleeve & 3.2 mm insert drill sleeve	5
(25)	Hollow mill for Removal of Broken Screws & Drill bits	3	
39	OPE047	Arthroscopy:	
	(1)	PCL Femoral aimer	2
	(2)	ACL Elbow aimer	2
	(3)	PCL Tibial aimer	2
	(4)	Trocar tip passing pin	2
	(5)	Cruciate guide wire	2
	(6)	Flower tip reamer	2

	(7)	Endoscopic drill	4
	(8)	Meniscotome	2
	(9)	Cartilage File	2
	(10)	Hook probe	2
	(11)	Curette	2
	(12)	forceps (mini basket/mini biopsy/grasping)	2 each
	(13)	Scissors (hook/mini)	2 each
	(14)	Knife (retrograde/bayonet/banana/scalpel/rosetta/hook)	2each
	(15)	Tendon stripper	2
	(16)	Suzing tube	2
	(17)	Bone tunnel plugs canulated/non-canulated	2
	(18)	Femoral offset	2
	(19)	Shaver system	2
	(20)	pulse lavage system	2
40	OPE048	Hip prosthesis:	
	(1)	Charnley Self retaining retractor	2
	(2)	Rasp for Austin moore	2
	(3)	Rasp for thompson	2
	(4)	Rasp for biploar	2
	(5)	Moore hollow chisel	4
	(6)	Murphy lane bone skid	3
	(7)	Jugdet auger extractor	3
	(8)	Hook extractor	3
	(9)	Measuring Gauge	3
	(10)	Golden reamer	2
	(11)	Acetabulum reamer	2
	(12)	Flexible drill bits	2
	(13)	flexible screw driver	2
	(14)	Impactor for stem	2
	(15)	Neck cutting guide	2
	(16)	Impactor-nylon faced	2
41	OPE049	Knee Prosthese:	
	(1)	Perforator	2
	(2)	Femoral, tibial cutting and patellar zig	3 each
	(3)	Mallets	2
	(4)	Pins	2
	(5)	Bone saw	2
42	OPE050	Jess:	
	(1)	Spanner 10mm	6
	(2)	Allen key	6
43	OPE051	Misc:	
	(1)	Skin Grafting handle - Small	2
	(2)	Skin Grafting handle - Large	2
44	OPE052	Herbert Screw set:	
	(1)	Herbert screw zig	2
	(2)	Sleve (guide/drill)	2
	(3)	Herbert canulated drill bit	2
	(4)	Measuring Guage	2
	(5)	Canulated screw driver	2
	(6)	Guide wire 1.2 mm	2
	(7)	Tensile elastic nail system set (Bone awl /T-Handle / harrington cutter)	2 each

Note:

1. The above section wise list of essential equipments and instruments is prepared and catalogued/coded based on past experience of purchase requirement of Medical Institutions.
2. The equipments of Group-A require annual maintenance & repair services and the group-B instruments do not require annual maintenance.
3. The Deletion or Addition of items may be suggested from the catalogued items.
4. The demands shall be submitted with code number of items in demand form.